

August 21, 2018

MEMORANDUM

To: Brian Hunt
From: Tom Grimshaw
Subject: Geologic Mapping East and West of the Blanco River in the Mountain City Quadrangle

I have completed the revised geologic mapping between FM 150 and the Blanco River. I have also accomplished photogeologic mapping of the area west of the Blanco. Please find in Attachment A two air photos, #322 and #371, which fill in the remainder of the geologic mapping (remapping) of the southern part of the Mountain City Quadrangle.

As you know, this mapping is an update of the previous work that I did for my dissertation. It is based on improved understanding of the fault patterns of the Balcones Fault Zone and better (earlier, 1958) air photos.

The mapping west of the Blanco River has not yet been field verified. However, based on experience on the east side (and elsewhere in the quad), I believe we can proceed with digitizing the overall map for preparing a GIS version of the map. A field trip up (or down) the Blanco River will also be helpful for better understanding of the faults where they are crossed by the river.

Next I plan to provide a more complete version of the nine geologic map segments of the Mountain City Quadrangle, which will update my memo of May 19, 2018. It will then be colored for assembly of the pieces into a complete geologic map for review as we discussed in our last meeting.

I look forward to completing the revised and more refined geologic mapping of the Mountain City Quadrangle with you.

Please let me know if you have any questions.

Attachment A.

Air Photos With Geologic Mapping East and West of Blanco River in the Southern Part of the
Mountain City Quadrangle

Final
8/20/2018

222 1372MCS USAF 22APR58 11400FT AF-58-4 ROLL-4

322

02045
1.2
0.24
1.96 mm
A. 5.1
2

371



53.96 mm
0.76
52045